GOLOVANOV, N.I.

Stability of earthwork slopes according to the plasticity theory. Sbor.trud.Inst.gor.dela AN URSR no.4:59-77 '56. (MLRA 10:5)
(Soil mechanics) (Plasticity)

GOLOVANOV, N.I., inzh.

Stability of earth structure slopes according to the theory of ultimate equilibrium. Trudy Gidroproekta no.1:13-29 '58. (Soil mechanics) (MIRA 11:9)

GOLOVANOV, N.I., inzh.

Foundation stability of damming structures according to the theory of critical equilibrium. Trudy Gidroproekta 3:91-100 '60.
(MIRA13:7)

1. Otdel inzhenernoy geologii Vsesoyuznogo proyektno-izyskatel'skogo i nauchno-issledovatel'skogo instituta "Gidroproyekt," imeni S.Ya. Zhuka.
(Foundations) (Dams)

ZIL'BERBLAT, G.S.; GOLOVANOV, N.N.

Regulation and control of measured small-volume aeration of Protozoa cultures by means of automatic electronic devices. Lab. delo no.10:633-638 '64. (MIRA 17:12)

1. Laboratoriya protivorakhovykh preparatov (zaveduyushchiy - chlen-korrespondent AMN SSSR prof. N.G. Klyuyeva) Gosudarstvennogo ob"yedineniye "Tekhproyekt".

ZIL'BERBLAT, G.S.; GOLOVANOV, N.N.

Automatic device for continuous control of the oxygen consumption by developing Protozoa cultures. Lab. delo no.2:112-115 '65.
(MIRA 18:2)

1. Laboratoriya protivorakovykh preparatov (zaveduyushchiy chlen-korrespondent AMN SSSR prof. N.G. Klyueva) Gosudarstvennogo nauchno-issledovatel'skogo kontrol'nogo instituta meditsinskikh biologicheskikh preparatov im. L.A. Tarasevicha (zamestitel' direktora po nauchnoy chasti prof. A.T. Kravchenko). Konsul'tant raboty - inzh. V.M. Eygenbrot.

RUSSIYAN, S.V.; BARANOV, I.A.; GOLOVANOV, N.N.; SOKOLOV, A.N., LIBMAN, S. Ye., kandidat tekhnicheskikh nauk, redaktor; EL'TSUFIN, S.A. DLUGOKANSKAYA, Ye.A., tekhnicheskiy redaktor.

[Planning technical founding processes] Proektirovanie tekhnologicheskikh protsessov liteinogo proizvodstva. Moskva. Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1951. 304 p. (MLRA 8:8)
(Founding)

GOLOVANOV, N. N.

[redacted]/Metals - Casting, Methods Oct 51

"Melting Out Patterns in Investment Casting Process," N. N. Golovanov, I. Ye. Medvinskiy, Engineers, Leningrad Branch of Orgtyazhmash

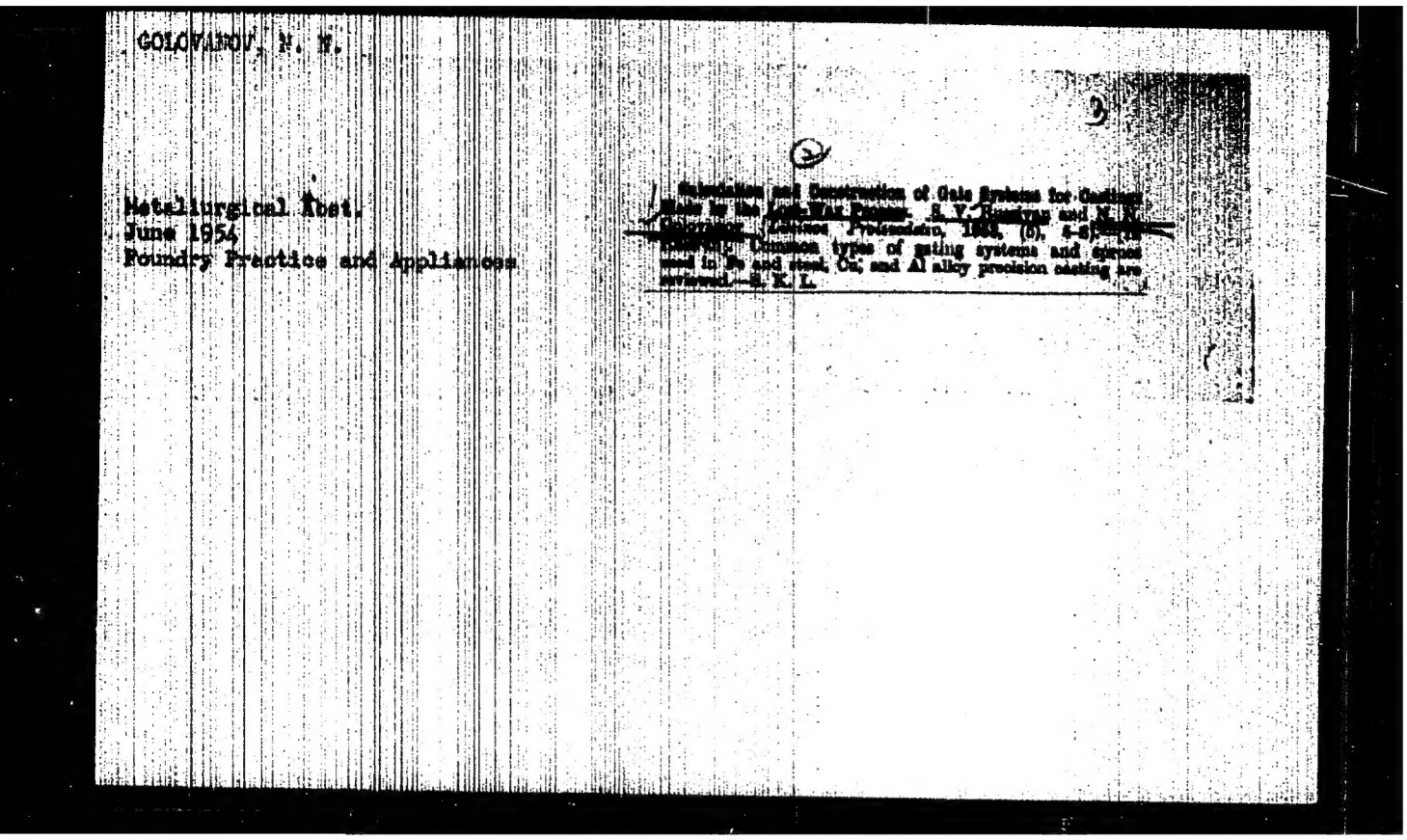
"Litey Proizvod" No 10, p 17

New simple method was developed for melting out patterns using hot air applied directly to pattern material without exterior heating of mold. Special device was constructed for preheating stream of compressed air. Recovery of pattern compd amounts to [redacted]% at 9 min melting-out period. Compd is obtained in pure state and may be reused without addn of fresh materials.

190T68

RUSSIYAN, S.V.; GOLOVANOV, I.N.; LEBEDEV, K.P., otvetstvennyy redaktor; LITVINOV, I.V., redaktor; FRUMKIN, P.S., tekhnicheskiy redaktor

[Technology and organization of precision casting] Tekhnologiia i organizatsiia proizvodstva tochnogo lit'ia. [Leningrad] Gos. izd-vo sudostroit. lit-ry, 1953. 138 p. [Microfilm] (MIRA 9:9)
(Precision casting)



GOLOVANOV, N. N.

Metallurgical Abst.
June 1954
Foundry Practice and Appliances

3

Introduction and Construction of Gate Systems for Castings. [illegible] Liteinoe Proizvodstvo, 1953, (6), 2-5. Common types of gating systems and sprues used in Fe and steel, Cu, and Al alloy precision casting are reviewed.—S. K. L.

GOLOVANOV, N.N.

RUSSIYAN, S.V.; GOLOVANOV, N.N.

Use of carbamide cores for the precise casting of parts with a complicated internal cavity. Lit.proizv. no.6:26-27 S '54. (MLRA 7:10)
(Precision casting)

GOLOVANOV, N.N.

PHASE I BOOK EXPLOITATION 312

Golovanov, Nikolay Nikolayevich

Proyektirovaniye tsekhov tochnogo lit'ya (Design and Layout of Precision Investment Casting Foundries) Leningrad, Sudpromigiz, 1957. 230 p. 2,500 copies printed.

Resp. Ed.: Russiyan, S. V.; Ed.: Krugova, Ye. A.; Tech Ed.: Kontorovich, A. I.

PURPOSE: This book is intended for engineers, designers, and other technical personnel working in the precision-casting field. It may also be used as a textbook for students of institutes of technology and of universities.

COVERAGE: This book deals with the design and manufacture of precision castings with the use of the most modern machinery and equipment. The author claims that by proper use of precision castings a saving of about 50% can be achieved, since precision castings require very little machining. The precision-casting method is said to effect great

Card 1/6

Design and Layout of Precision Investment Casting Foundries (Cont.) 312

savings in material and man-hours. especially in the manufacture of turbine blades. The book contains numerous technical and production data; machines and equipment are illustrated and the selection of production items is discussed. Most data were obtained by the Vsesoyuznyy proyektno-tekhnologicheskiy institut (All-union Institute of Technology and Design). Ginsburg, Ya. I., Eng., and Fedorenko, L. N., Eng., contributed to this work. They were assisted by Russiyan, S. V., Eng.

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RUSSIYAN, Stanislav Vladislavovich; GOLOVANOV, Nikolay Nikolayevich; MALAKHOVSKIY, G.V., nauchnyy red.; SHAURAK, Ye.N., red.; SHISHKOVA, L.M., tekhn. red.

[Lost-wax process of precision casting] Proizvodstvo tochnogo lit'ia po vyplavliaemym modeliam. Leningrad, Gos. soiuznoe ind-vo sudostroit. promyshl., 1958. 345 p. (MIRA 11:9)
(Precision casting)

GOLOVANOV, N.N.

New equipment for casting with melted-out patterns. [Izd.]
LOMITOMASH 45:76-93 '58. (MIRA 11:6)
(Founding)

LIVSHITS, Yu.Ya.; GOLOVANOV, N.P.

Stratigraphy of volcanic formations in the Kureyka-Khantayka interfluve (northwestern Siberian Platform). Inform.biul. NIIGA no.13:28-33 '59. (MIRA 13:5)
(Kureyka Valley--Geology, Stratigraphic)
(Khantayka Valley--Geology, Stratigraphic)

GOLOVANOV, N.P.

New data on the Ordovician stratigraphy of the middle Maymecha Valley (northern Siberian Platform). Inform. biul. NIIGA no.19: 21-24 '60. (MIRA 13:12)
(Maymecha Valley--Geology, Stratigraphy)

BELYAKOV, L.I., GOLOVANOV, N.P.; SAFRONOV, V.I.

Stratigraphy of Sinian complex sediments in the Kotuykan basin. Uch. zap. NIIGA. Reg. geol. no.4:60-72 '64. (MIRA 18:12)

GUSEV, Mikhail Nikolayevich, prepodavatel'; ZILIST, Petr Sigismundovich, prepodavatel'; LEV, Yevgeniy Semenovich, prepodavatel'; LOPYREV, Nikolay Kirillovich, prepodavatel'; MARDENSKIY, Vladimir Prokop'yevich, prepodavatel'; NEMKOV, Petr Petrovich, prepodavatel'; NIKITIN, Gennadiy Mikhaylovich, prepodavatel'; SHELUCHENKO, V.M., dotsent, kand.tekhn.nauk, retsenzent; BELOV, N.M., inzh., retsenzent; GOLOVANOV, N.V., red.; VOLCHOK, I.M., tekhn.red.

[Technology of marine engineering and ship repairs] Tekhnologiia sudovogo mashinostroeniia i sudoremonta. Pod obshchei red. M.N. Guseva. Leningrad, Izd-vo "Rechnoi transport," Leningr.otd-nie. Pt.2. [Technology of ship repairs] Tekhnologiia sudoremonta. 1960. 470 p. (MIRA 13:4)

1. Kafedra tekhnologii sudostroyeniya i sudoremonta Leningradskogo instituta vodnogo transporta (for Gusev, Zilist, Lev, Lopyrev, Mardenskiy, Nemkov, Nikitin).
(Ships--Maintenance and repair)

Golovanov, N. V.

GOLOVANOV, N.V., inzh.

Latest developments in boiler manufacturing in other countries.
Energomashinostroenie 3 no.10:41-45 O '57. (MIRA 10:12)
(Boilers)

GOLOVANOV, N.V., inzh.

Some data pertaining to specialization of American boiler firms. Energomashinostroenie 6 no.2:46-48 F '60. (MIRA 13:5)

(United States--Boilermakers)

FEDORKO, Petr Petrovich; GOLOVANOV, N.V., red.; VOLCHOK, K.M., tekhn. red.

[Automatic control of the temperature of cooling water in marine engines] Avtomaticheskoe regulirovanie temperatury okhlazhdaiushchei vody v sudovykh dvigateliakh. Leningrad, Izd-vo "Rechnoi transport," 1961. 61 p. (MIRA 14:10)
(Marine engines) (Automatic control)

GOLOVANOV, N. V.

PA 61T37

Feb 1948

USSR/Engineering
Sulfur Compounds - Production

"The Production of Sulfofrezol With the Use of Lump Sulfur," N. V. Golovanov, 3 pp

"Neftyanoye Khozyaystvo" No 2

In 1942 sulfofrezol plants faced dilemma of either organizing operations to pulverize sulfur on a large scale, or creating a technological process which would use lump sulfur. Describes briefly method devised.

61T37

GOLOVANOV, N.V.

Fuel (2)

Journ. of Inst. of Petroleum
V. 39 No. 339
Mar. 1953
Cracking

783. Kinetics of regeneration of alumino-silicate catalysts. G. M.Panchenkov and N. V. Golovanov. *Izvest. Akad. Nauk S.S.S.R., Otdel. Tekh. Nauk*, 1951, 1813–31.— Description and diagram are given of laboratory equipment used for studying heterogeneous reaction of oxidn of cat coke. Cat particles, coated with coke (approx 2%), are suspended in reaction tube from spring balance (sensitivity 2×10^{-5} g); average weight of granules was 8×10^{-2} g. Cat is heated in stream of inert gas to remove volatiles and air introduced when test temp is attained. Five different synthetic Al–Si cat were studied. Coking was by cracking of gas oil (f.p. 0-363, I.B.P. 343° C, 50% vol at 362° C, paraffins 91·6%, aromatics 8·4%) at 475° C. Separate test showed absence of coke migration on cat surface. Rate of oxidn (as shown by loss in wt of cat particle) increases with air flow up to limiting value of latter, difference between oxidn rate at various temp is less marked at low air flow. Up to approx 470° C oxidn rate is slow and similar for all cat, above this temp individual differences appear. Difference in oxidn rate with cat particle size is evident only at temp >500° C. Most tests were carried out with hourly air-flow rate of 600,000 vol air/vol cat. At high temp (> 510° C) relative rate of oxidn decreases with increasing coke content of cat. Plot of log relative reaction rate against reciprocal of abs temp is for most cat almost linear at approx 510° C. Kinetic aspects of the experimental results are discussed; at oxidn < 470° C process is within inner kinetic region and has an activation energy (for fresh cat) of 21,000 cal/mol. Above this temp extra processes in outer diffusion region control and of same order for all cat. Limiting values of temp and coke content at which change from kinetic to diffusion region occurs are also given.

GOLOVANOV, N. V.

PA 244T57

USSR/Engineering - Fuel, Combustion Mar 52

"Kinetics of the Regeneration of Aluminosilicate Catalysts: On the Mechanism of the Reaction of Coke Oxidation on Aluminosilicate Catalysts," G. M. Panchenko, N. V. Golovanov

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 3, pp 384-394

Stating that technical literature gives no information concerning coke oxidation on porous catalysts, describes experiments for establishing possibility for formation, under regeneration conditions, of surface intermediate compounds of O with coke and

244T57

for studying formation kinetics of this complex. Develops equation for oxidation rate of coals and cokes in kinetic region under condition of constant O concentration along entire layer of catalyst. Submitted by Acad A. V. Topchiyev, 30 Jan 51

244T57

GOLOVANOV, N. V.

USSR/Engineering - Fuels, Catalysis Jul 52

"Kinetics of the Regeneration of Aluminosilicate Catalysts: Oxidation of Coke on Catalyst in Tubes With Variable Oxygen Concentration Along the catalyst Layer," O. M. Panchenkov, N. V. Golovanov

"Iz Ak Nauk, Otdel Tekh Nauk" No 7, pp 1031-1036

PA 228705

Develops method for calcg time period, within which required O concn in regenerating gas is attained at given section of reactor, and O concn in regenerating gas at definite moment from beginning of regeneration for case of stationary catalyst and isothermal conditions. Also method is developed for calcg O distribution along reaction zone for case of counterflow motion of regenerating gas and catalyst for isothermal conditions. Submitted by Acad A. V. Topchiyev.

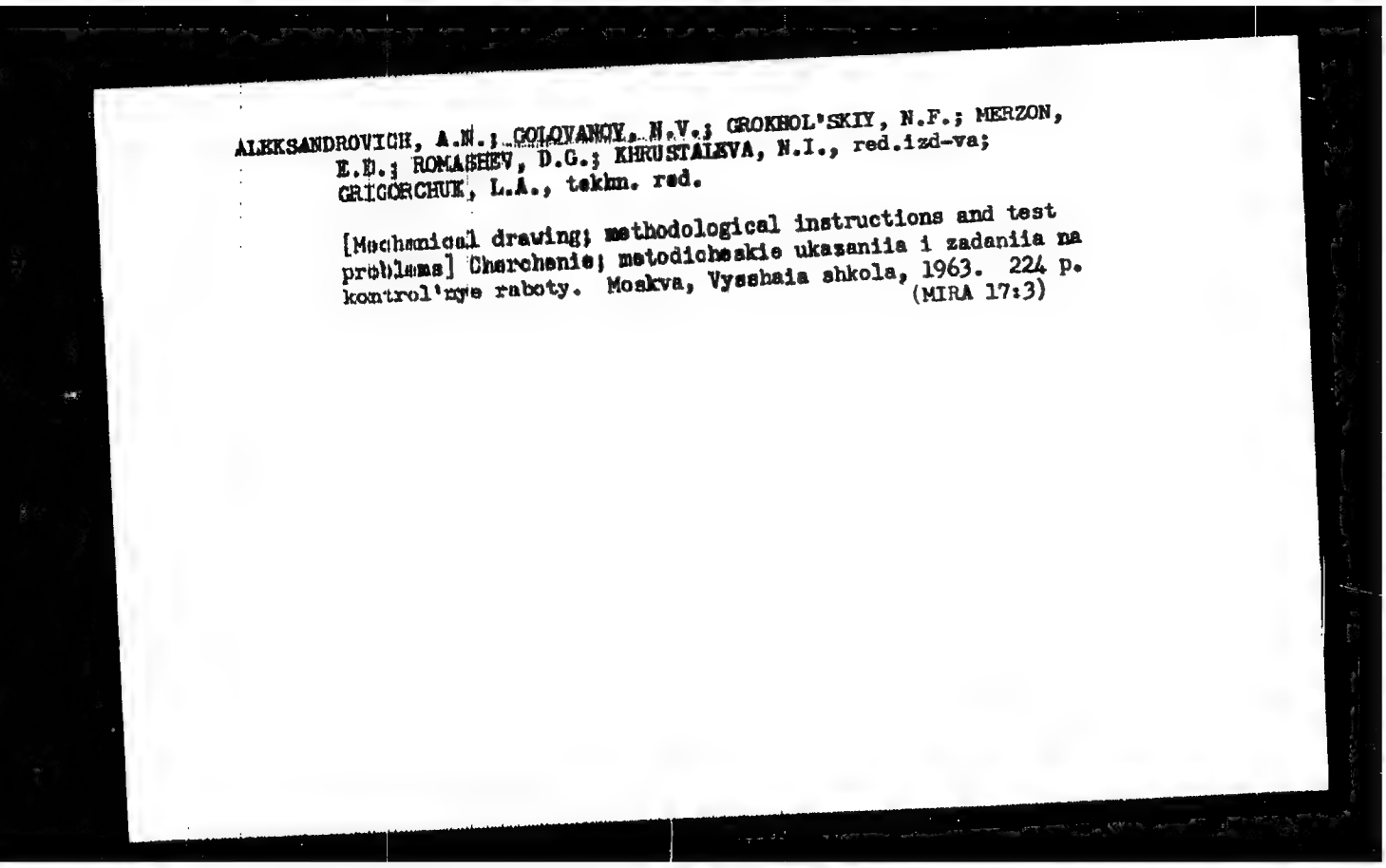
228705

APATOVSKIY, L.Ye., inzh.; BUDNYATSKIY, D.M., inzh.; GOLOVANOV, N.V., inzh.

New developments in power machinery construction. Energomashinostroenie 6 no.8:46-47 Ag '60. (MIRA 14:9)
(Power engineering)

GOLOVANOV, N.V., inzh.

Small sized boiler with a capacity of 950 ton per hour for a 300 Mw unit. Energomashinostroenie 8 no.2:38-42 F '62. (MIRA 15:2)
(Boilers--Design and construction)



ALEKSANDROVICH, A.N.; GOLOVANOV, N.V.; GROKHOL'SKIY, N.F.; MERZON, E.D.; ROMASHEV, D.G.; KHRUSTALEVA, N.I., red.izd-va; GRIGORCHUK, L.A., tekhn. red.

[Mechanical drawing; methodological instructions and test problems] Cherchenie; metodicheskie ukazaniia i zadaniia na kontrol'nye raboty. Moskva, Vysshaia shkola, 1963. 224 p. (MIRA 17:3)

GOLOVANOV, N.V., inzh.

New developments in the construction of power machinery.
Energomashinostroenie 9 no.3:46 Mr'63. (MIRA 17:5)

GOLOVANOV, O.M.

124-57-2-2036D

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 79 (USSR)

AUTHOR: Golovanov, O.M.

TITLE: Determination of the Correction Factor K in the Generalized Hydrodynamic Theory of Heat Exchange in a Flow Past Cylindrical Bodies With Separation Along the Velocity Wake and the Temperature Wake (Opredeleniye popravki K - v obobshchennoy gidrodinamicheskoy teorii teploobmena pri obtekanii tel tsilindricheskoy formy s otryvom po skorostnomu i temperaturnomu sledam)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Cardidate of Technical Sciences, presented to the Kuybyshevsk. industr. in-t (Kuybyshev Industrial Institute), Kuybyshev, 1956

ASSOCIATION: Kuybyshevsk. industr. in-t (Kuybyshev Industrial Institute), Kuybyshev

1. Fluid flow--Heat transfers 2. Cylindrical bodies--Heat transfer
3. Mathematics

Card 1/1

67073

SOV/124-59-1-524

10.2000

Translation from: Referativnyy zhurnal. Mekhanika, 1959, Nr 1, p 75 (USSR)

AUTHOR: Golovanov, O.M.

TITLE: On the Application of the Similarity-Theory to the Derivation of the Equation of the Hydrodynamical Theory of Heat Exchange for the Case of Circumflowing Bodies With Separation of Flow

PERIODICAL: Sb. nauchn. tr. Kuybyshevsk. industr. in-ta, 1957, Nr 7, pp 75-79

ABSTRACT: By means of the methods of the similarity theory it is shown that the system of differential equations for determination of heat exchange and for the stream in the trail behind the body can be simplified if, as characteristic dimension of length in the Reynolds number R, the distance from the streamlined body along the track is adopted. If in this case the Reynolds number is large enough, the influence of the internal viscosity and of the heat-conductivity can be neglected. A relation between the resistance of the body and the heat exchange between the body and the stream is obtained. Bibl. 8 titles.

Ye.N. Bondarev

Card 1/1

L0776
S/124/62/000/009/016/026
A001/A101

AUTHOR: Golovanov, O. M.

TITLE: Determination of the coefficient of convective heat transfer and resistance in a separated flow, by means of using the generalized hydrodynamic theory of heat transfer

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 9, 1962, 77, abstract 9B527 ("Sb. nauchn. tr. Kuybyshevsk. industr. in-ta", 1959, no. 8, 53 - 60)

TEXT: The author describes experiments carried out to verify L. I. Kudryashev's method of determining heat transfer in a wake behind the body by means of the generalized hydrodynamic theory of heat transfer. The experiments were conducted in an aerodynamic tube of 400 x 400 mm in the working section with a subsonic flow. Fields of full pressures and temperatures were measured simultaneously in the wake behind cylinders of round and square cross section by means of a combined nozzle. The cylinders were heated with an electric heater. The experiments have shown that the coefficients of convective heat transfer and resistance of a body are not precisely determined by measuring the fields of full

Card 1/2

S/124/62/000/009/017/026
A001/A101

AUTHOR: Golovanov, O. M.

TITLE: Effect of lift on coefficient of convective heat transfer and resistance in flowing around bodies with separation

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 9, 1962, 77, abstract 9B528 ("Sb. nauchn. tr. Kuybyshevsk. industr. in-ta", 1959, no. 8, 103 - 105)

TEXT: The author analyzes differential equations describing the problem and proposes a method for evaluating the effect of the distorting factor of lift when determining coefficients C_f and α from the wake. This effect is very significant at small Reynolds numbers.

G. I. Smirnov

[Abstracter's note: Complete translation]

Card 1/1

GOLOVANOV, O.M.; kand.tekhn.nauk, ispolnyayushchiy obyazannosti dotsenta

Application of the theory of the regularity of the velocity track and temperature track in the determination of the coefficients of heat transfer in turbulent flow. Sbor. nauch. trud. Kuib. indus. inst. no.8:107-110 '58. (MIRA 14:7)
(Thermodynamics)

KUDRYASHEV, L.I., prof., doktor tekhn.nauk; DEVYATKIN, B.A., dotsent, kand.tekhn.nauk; BEREZANSKIY, V.Yu., kand.tekhn.nauk; GOLOVANOV, C.M., kand.tekhn.nauk

Improving boiler rating and steam quality at the boiler plant of the "Magnezit" works. Sbor. nauch. trud. Kuib. indus. inst. no.8:231-238 '59. (MIRA 14:7)

(Boilers)

S/612/59/000/008/009/016
D218/D304

AUTHOR: Golovanov, O. M., Acting Docent, Candidate of Technical Sciences

TITLE: Applying the theory of regularity of the velocity and temperature wake to determination of turbulent transfer coefficients

SOURCE: Kuybyshev. Industrial'nyy institut. Sbornik nauchnykh trudov, no. 8, 1959. Teplotekhnika; voprosy teorii rascheta i proyektirovaniya, 107-110

TEXT: The author analyzed both theoretically and experimentally the various phenomena which occur in the wake (Ref. 1: Dissertatsiya, KII, 1956; Ref. 2: Zbornik nauchnykh trudov Kuybyshevskogo industrial'nogo instituta, no. 7, Teplotekhnika 1957). It was concluded that the velocity and thermal wakes are stable, and the problem arises as to whether the wake idea can be used to determine the turbulent transfer coefficients A and B. The problem is described by

Card 1/6

Applying the theory ...

$$\left.\begin{aligned} &\frac{\partial w_{x_1}}{\partial x} = \frac{1}{\rho w_\infty}\cdot\frac{\partial^2 w_{x_1}}{\partial y^2}; && \text{a)}\\ &\frac{\partial t_1}{\partial x} = \frac{B}{C_p \rho w_\infty}\cdot\frac{\partial^2 t_1}{\partial y^2}; && \text{b)}\\ &\frac{\partial w_{x_1}}{\partial x} + \frac{\partial w_{y_1}}{\partial y} = 0; && \text{c)} \end{aligned}\right\} \qquad (1)$$

where

$$w_{x_1} = w_\infty - w_x;$$

$$w_{y_1} = w_y;$$

$$t_1 = t_\infty - t$$

The boundary conditions are

Card 2/ 6

Applying the theory ...

$$y = 0; \quad \frac{\partial w_{x_1}}{\partial y} = 0; \quad \frac{\partial t_1}{\partial y} = 0, \quad y = \pm\infty; \quad w_{x_1} = 0;$$

$$t_1 = 0$$

The final solution is

$$w_{x_1} = \frac{R}{2\sqrt{\pi\rho\lambda w_\infty x}} \cdot e^{-\frac{\rho w_\infty y^2}{4\lambda x}} \tag{3}$$

$$t_1 = \frac{Q}{2\sqrt{\pi C_{p_f} B w_\infty x}} \cdot e^{-\frac{C_{p_f} w_\infty y^2}{4Bx}} \tag{4}$$

Card 3/6

32269
S/612/59/000/008/009/016
D218/D304

Applying the theory ...

[Abstractor's note: Symbols not defined.] It is pointed out that it is exceedingly difficult to determine A and B from these equations. The difficulty can be removed with the aid of the idea of the "regularity of the velocity and temperature wakes" put forward by L. I. Kudryashev and L. A. Vvedenskaya (Ref. 3: Sbornik nauchnykh trudov Kuybyshevskogo industral'nogo instituta, no. 7, Teplotekhnika, 1957). It is shown that application of this idea leads to the following expressions:

$$m_1 = \frac{\ln\left(\frac{w_{x_1}}{w_{x_1 m}}\right)_I - \ln\left(\frac{w_{x_1}}{w_{x_1 m}}\right)_{II}}{\bar{\xi}_I - \bar{\xi}_{II}}, \quad (20)$$

$$m_2 = \frac{\ln\left(\frac{t_1}{t_{x_1 m}}\right)_I - \ln\left(\frac{t_1}{t_{x_1 m}}\right)_{II}}{\bar{\xi}_I - \bar{\xi}_{II}}. \quad (21)$$

where

Card 4/ 6

Applying the theory ...

$$m_1 = \frac{\rho w_\infty}{4A} \qquad (12)$$

$$m_2 = \frac{C_p \rho w_\infty}{4B} \qquad (13)$$

and

$$w_{x_1 m} = \frac{R}{2\sqrt{\pi \rho A w_\infty x}} \qquad (5)$$

and

$$t_{x_1 m} = \frac{Q}{2\sqrt{\pi C_p \rho w B_\infty x}} \qquad (6)$$

Therefore, Eqs. (20) and (21) can be used in conjunction with Eqs. (12) and (13) to determine A and B, and this operation involves

Card 5/6

32269
S/612/59/000/008/009/016
D218/D304

Applying the theory ...

only measurement of the temperature and velocity in the wake behind the moving body. There are 3 Soviet-bloc references.

Card 6/6

32265
S/612/59/000/008/004/016
D216/D304

26.5200

AUTHOR: Golovanov, O. M., Candidate of Technical Sciences

TITLE: Determining the coefficient of convective heat exchange and resistance for streamlined bodies with breakaway, using the generalized hydrodynamic theory of heat exchange

SOURCE: Kuybyshev. Industrial'nyy institut. Sbornik nauchnykh trudov, no. 8, 1959. Teplotekhnika; voprosy teorii, rascheta i proyektiravaniya, 53-60

TEXT: This paper presents a theoretical and experimental study of the generalized hydrodynamic heat exchange theory with particular reference to the correction factor arising in the resultant equations. The resultant equation of the generalized theory may be written

$$N_u = \frac{C_D}{2} \cdot \frac{F_m}{F_{bo}} \cdot P_c \cdot \tilde{K} \qquad (1)$$

Card 1/ 8

Determining the coefficient ...

where

$$\bar{K} = \frac{\int_{-\infty}^{+\infty} \frac{W_x}{W_0}\left(1 - \frac{t_x}{t_0}\right)dy}{\int_{-\infty}^{+\infty} \frac{W_x}{W_0}\left(1 - \frac{W_x}{W_0}\right)dx} \qquad (2)$$

[Abstractor's note: No symbols are defined.] Experimental determination of the correction factor $\bar{K}$ must be made through measurements of velocity and temperature in the wake close to the body. Consider 2 cross-sections in a flow tube containing a streamlined body, in which the velocity, pressure and temperature correspond to (a) a constant flow coming in from infinity, and (b) a point at 3 - 4 diameters from the body. The coefficient of resistance may be

Card 2/8

Determining the coefficient ...

expressed in terms of the width of the wake δ_{III} and the displacement thickness of momentum $\delta^{**}{}_{1III}$

$$C_D = \frac{2\delta_{III}\,\delta^{**}{}_{1III}}{d} \qquad (6)$$

where

$$\delta^{**}{}_{1III} = \int_{-1}^{+1} \frac{\gamma_{III} W_{xIII}}{\gamma_o W_o} \left(1 - \frac{W_{xIII}}{W_o}\right) d\eta \qquad (7)$$

and the thermal balance equation is

$$Q = Cp_o \gamma_o t_o W_o D_{oIII} \delta^{**}{}_{2III} \qquad (8)$$

Card 3/8

Determining the coefficient ...

where

$$\delta^{**}_{III} = \int_{-1}^{+1} \frac{W_{xIII}}{W_e}\left(1 - \frac{Cp_{III}\,T_{III}\,\rho_{III}}{Cp_e T_e \rho_e}\right) d\eta, \qquad (9)$$

and the correction factor $\overline{K}^1$ is defined by

$$\overline{K^1} = \frac{\int_{-1}^{+1} \frac{W_x}{W_e}\left(1 - \frac{T_e}{T_x}\cdot\frac{(i_x - i_x)}{(i_e - i_e)}\right) d\eta}{\int_{-1}^{+1} \frac{T_e W_x}{T_x W_e}\left(1 - \frac{W_x}{W_e}\right) d\eta} \qquad (11)$$

Card 4/ 8

Determining the coefficient ...

In this equation, the most difficult factor to be determined experimentally is the wake width. From experimental data of other authors, its relation to Reynolds' number and the diameter of the body may be written

$$\frac{\delta_{III}}{d} = 2 + 6{,}6 \cdot 10^{-6} Re \qquad (12)$$

Linear transformation of (2) permits the establishment of a relationship between $\overline{K}$ and $\overline{K}_1$ - the corrections found through temperature and velocity in the wake at large distances from and close to the body, and this may be expressed as

$$\overline{K} = B\,\overline{K}^1 \qquad (13)$$

Then, using the known equation

Card 5/8

Determining the coefficient ...

$$Nu = 0,197Re^{0,6} \tag{16}$$

for the heat exchange coefficient for Reynolds' numbers between 8,000 and 50,000, B becomes

$$B = \frac{1,715}{C_D Re^{0,4} \underline{\bar{K}}^1} \tag{17}$$

Experimental data show that B has a value of about 0.190 with a divergence of less than 2.6% and also that $\underline{\bar{K}}^1$ varies with Reynolds' number according to

$$\underline{\bar{K}}^1 = \frac{7,8}{Re^{0,4}} \tag{19}$$

Card 6/ 8

Determining the coefficient ...

Experiments conducted with a rectangular cross-sectioned body as well as a round one showed that within the same Reynolds number range the difference between the values of $\overline{K}^{-1}$ for the bodies was always less than 5 - 7%, so that (19) is essentially universal, since these two bodies represent the two extreme cases. These experiments were performed in a closed tube 400 x 400 mm in cross-section, taking precautions to achieve equality of the velocity field, to exclude rotational effects and to decrease vibration of the tube. The two bodies were of steel tube in cylindrical form, one with circular cross-section (diameter 0.045 m, length 0.45 m) and one with square cross-section (side 0.038 m, length 0.45 m). The outer surfaces were polished, and the tube in use was situated 1.67 m from the entry to the flow tube. Each tube was warmed internally by electricity. It was established that the thermocouples used for measuring air temperature did not affect the measurements of velocity which were made at the same points. The velocity distribution was measured in the flow tube for different Reynolds numbers and no distortion was found. It was confirmed that for

Card 7/8

Determining the coefficient ...

poorly streamlined bodies the defined region of eddy formation was over distances of 4 - 5 diameters behind the bodies. The first experimental use was made of measurement of temperature and velocity near a body for determining the correction $\overline{K}$ in the generalized hydrodynamic theory of heat exchange. There are 1 figure and 1 table.

Card 8/8

GOLOVANOV, O.M. [Holovanov, O.M.]

Make use of every possibility for lowering the amount of labor expended on sugar beet growing. Mekh.sil'.hosp. 10 no.7:18-20 Jl '59. (MIRA 12:12)

1. Rukovoditel' laboratoriyey Ukrainskoy mashinoispytatel'noy stantsii.

(Sugar beets)

GOLOVANOV, O.M. [Holovanov, O.M.]

Possibilities for lowering the cost of sugar beet growing and harvesting. Mekh. sil'. hosp. 11 no.12:13-14 D '60. (MIRA 13:12)

1. Rukovoditel' laboratorii Ukrainskoy mashinoispytal'noy stantsii.
(Sugar beets)

GOLOVANOV, O.V.

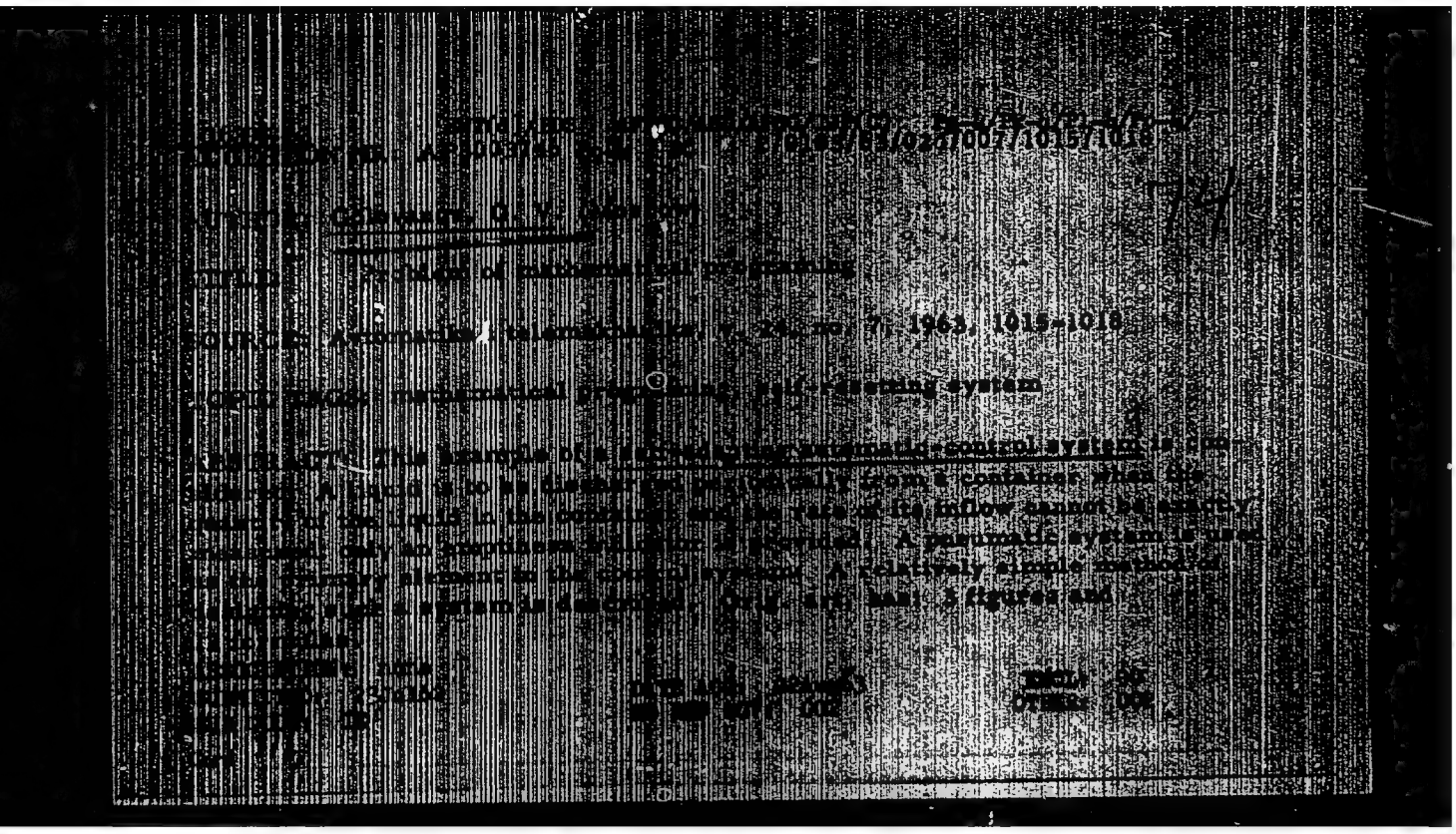
Selecting the method for switching on the regulator of the exothermic reaction. Khim.prom. no.12:922-925 D '63. (MIRA 17:3)

GOLOVANOV, O.V., inzh.; KUVSHINOVA, A.I., inzh.; SHCHERBAKOV, Ye.Ye., inzh.

Automatic production of polyethylene. Mekh. i avtom. proizv. 17 no. 4:13-16 Ap '63. (MIRA 17:9)

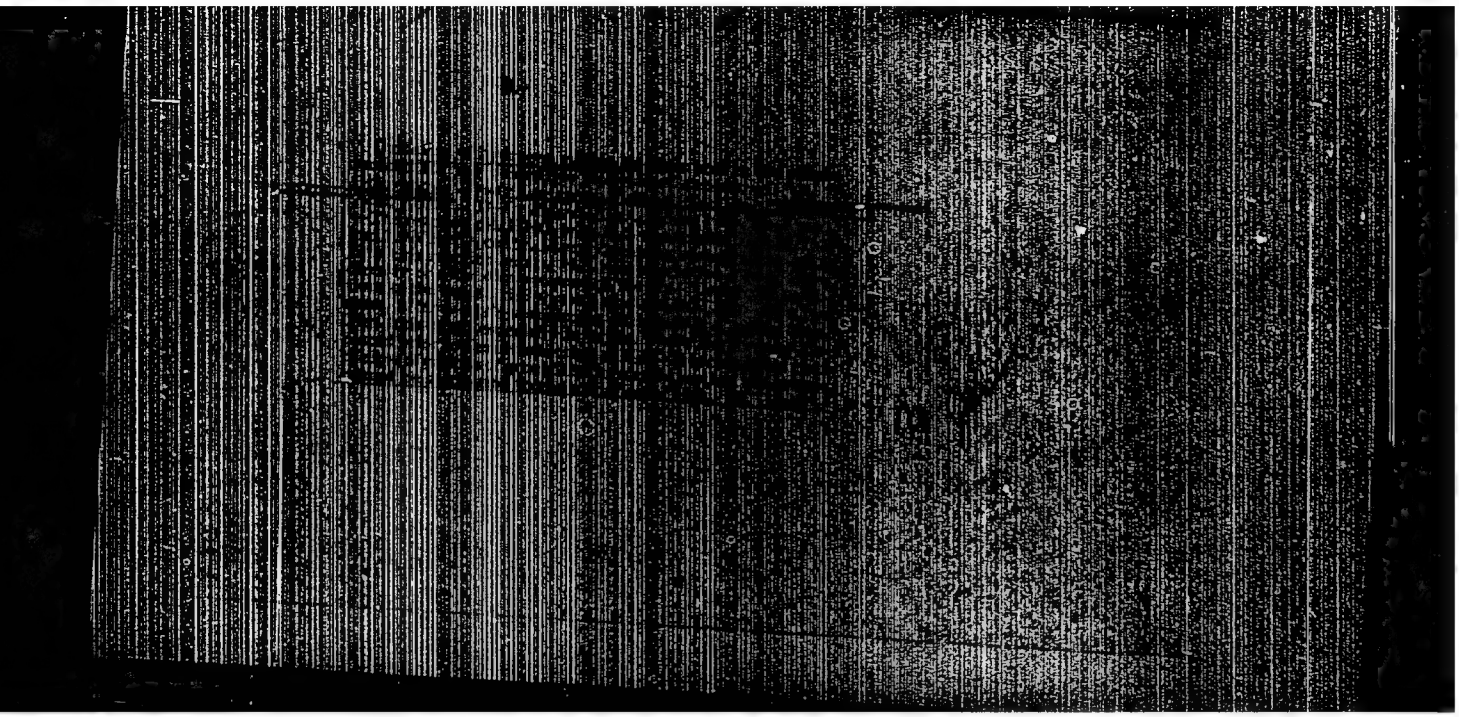
GOLOVANOV, O.V., inzh.

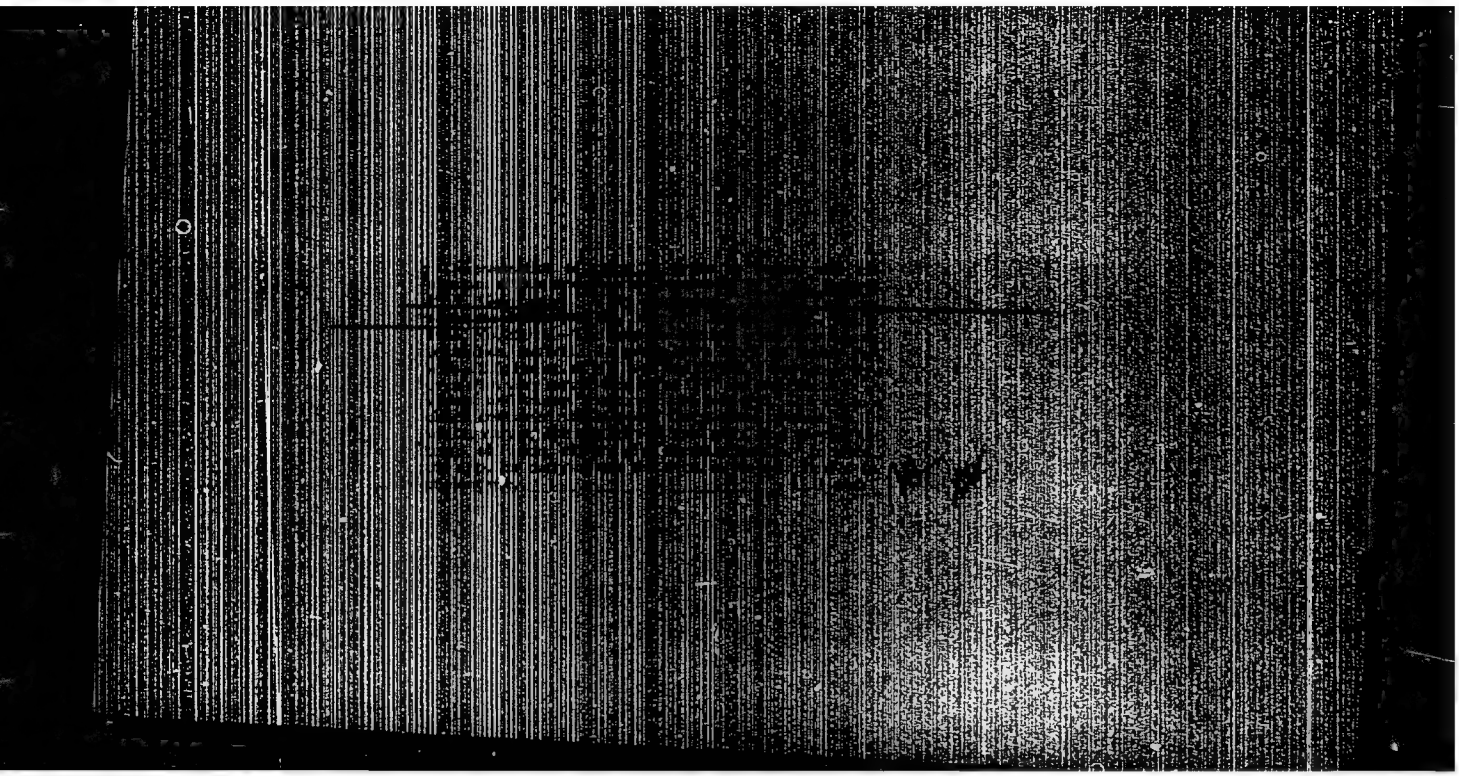
Proportioning pump with a pneumatic drive. Mekh.i avtom.proizv. 17 no.11:35 N '63. (MIRA 17:4)



GOLOVANOV, O.V., inzh.; SOFIYEV, A.E., inzh.

Nonlinear pressure regulator. Mekh. i avtom. proizv. 19
no.7:32-34 Jl '65. (MIRA 18:9)





APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515810013-7"

GOLOVANOV, P. I.

Category: USSR / Physical Chemistry - Surface phenomena. Adsorption. Chromatography. Ion exchange.

B-13

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30198

Author : Aleskovskiy V. B., Golovanov P. I.
Inst : Leningrad Technological Institute imeni Lensovet
Title : Chemical Composition, Structure and Adsorption Power of Synthetic Aluminum Silicates. Communication I. Synthesis and Preliminary Study of a Number of Aluminum Silicates.

Orig Pub: Tr. Leningr. tekhnol. in-ta im. Lensoveta, 1956, No 35, 158-170

Abstract: By mixing equal volumes of a dilute solution of Na_2SiO_3 and of 2 N HCl, and addition, with stirring, of solutions of $Al(NO_3)_3$ and NH_3, at 20°, artificial aluminum silicate gel was synthesized. In order to improve the polycondensation the freshly prepared gel was heated at 45-50° for one hour, then filtered off under slight vacuum, dried at 75-80° for 10-12 hours and washed with hot water. A portion of the gel thus obtained was activated at 390°, after drying, while the remainder was left inactivated. Mechanical strength of activa-

Card : 1/2

-15-

GOLOVANOV, PP

Subject : USSR/Power Eng AID P - 3523

Card 1/1 Pub. 26 - 17/30

Author : Golovanov, P. P., Eng.

Title : A heat-transfer device for using evaporation from the deaerator

Periodical : Elek. sta., 9, 51-52, S 1955

Abstract : The author discusses the loss of steam thru evaporation and suggests a new device for the catching and re-utilizing of steam. Two diagrams.

Institution : None

Submitted : No date

GOLOVANOV, P.P.

Hydraulic differentiators in steam-turbine control systems.
Nauch.dokl.vys.shkoly; energ. no.3:149-156 '58. (MIRA 12:1)

1. Rekomendovana kafedroy parovykh i gazovykh turbin Moskovskogo energeticheskogo instituta.
(Governors (Steam engine))

GOLOVANOV, P. P., Cand of Tech Sci -- (diss) "Use of Differential and Certain Non-linear Links in the System of Regulating Steam Turbine," Moscow, 1959, 16 pp (Moscow Power Engineering Institute) (KL, 2-60, 1B)

SHCHEGLYAYEV, A. V.; SMEL'NITSKIY, S.G., kand.tekhn.nauk; BULKIN, A.Ye., insh.; GOLOVANOV, P.P., insh.

Redesign of the regulating devices for the VK-100-2 turbines. Teploenergetika 6 no.2:16-27 F '59. (MIRA 12:3)

1. Chlen-korrespondent AN SSSR (for Shcheglyayev). 2. Moskovskiy energeticheskiy institut.
(Steam turbines)

SHEYNMAN, Lev Yefimovich, starshiy prepodavatel'; SHEKHTER, Vil'yam Leonidovich, inzh.; GOLOVANOV, Robert Dmitreyevich, inzh.; SHUMSKIY, Vladislav Vasil'yevich, inzh.

Automatic drop of reactive power in a mechanical current converter. Izv. vys. ucheb. zav.; elektromekh. 6 no.10:1249-1252 '63. (MIRA 17:1)

GOLOVANOV, R.V.

Changes in the circulating blood volume in operations on the stomach under intratracheal ether and oxygen potentiated anesthesia. Khirurgiia 39 no.7:62-66 Jl '63 (MIRA 16:12)

1. Iz kafedry obshchey khirurgii (zav. - prof. I.V.Shmelev [deceased]) Kubanskogo meditsinskogo instituta.

GOLOVANOV, S. I.

"Calculation of the Setting Temperature of Steels During Heat Treatment and the Pressure Treatment Taking Into Account Residual Stress From Cooling Processes." Cand Tech Sci, Tomsk Polytechnic Inst, Tomsk, 1954. (RZhMekh, Sep 54)

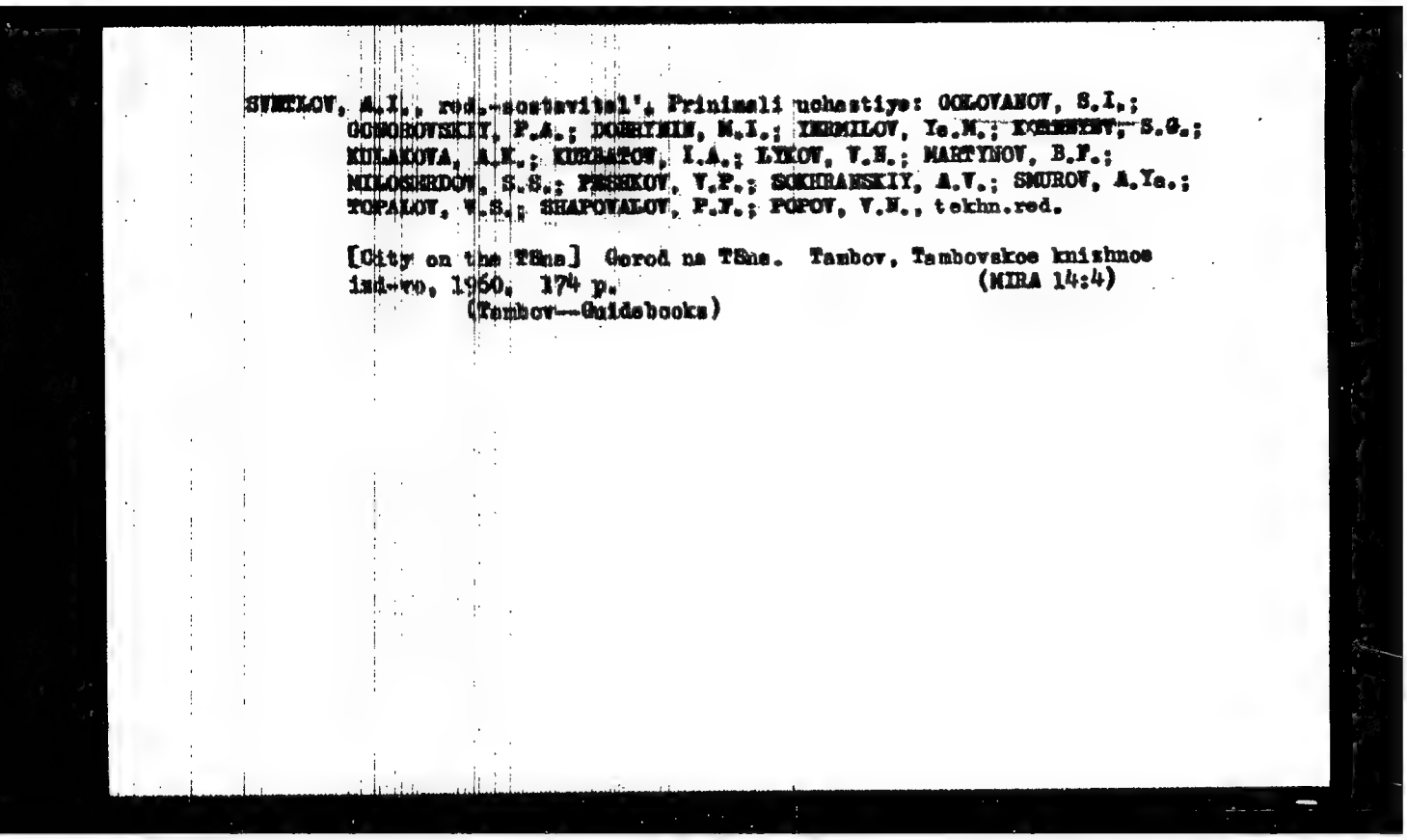
SO: Sum 432, 29 Mar 55

GOLOVANOV, S.G.

Calculating steel heating conditions giving assurance against rupture by thermal stress. Kuz. shtam. proizv. 1 no.10:30-37 '59. (MIRA 13:2)
(Thermal stresses) (Furnaces, Heating)

BOYKOV, G.P.; GOLOVANOV, S.G.

Possibility of determining the latent heat of transition in steel bodies on the basis of the permanence principle. Trudy TEIIZHT 34:50-52 '62. (MIRA 16:8)



SVEKLOV, A.I., red.-sostavitel'. Prinimali uchastiye: GOLOVANOV, S.I.; GOROKHOVSKIY, F.A.; DOBRYNIN, N.I.; YEREMILOV, Ye.M.; KOZHEVIN, S.G.; KULAKOVA, A.K.; KURBATOV, I.A.; LYKOV, V.N.; MARTYNOV, B.F.; MILOSHERDOV, S.S.; PESHKOV, V.P.; SOKHRANSKIY, A.V.; SMUROV, A.Ya.; TOPALOV, V.S.; SHAPOVALOV, P.V.; POPOV, V.N., tekhn.red.

[City on the Tsna] Gorod na Tsne. Tambov, Tambovskoe knizhnoe izd-vo, 1960. 174 p. (MIRA 14:4)
(Tambov--Guidebooks)

BIRKENGOF, A.L., dots.; DARINSKIY, A.V., dots.; KOBYAKOV, S.G., dots.; NEVEL'SHTEYN, G.S., dots.; SOKOLOV, N.N., prof.; PETROV, V.V., prof.; MARCHENKO, A.I., dots.; KAMINSKIY, S.F., dots.; MINEYEV, V.V., dots.; BOBOK, V.N., dots.; GOLOVANOV, S.S., red.; VISHNYA, L.P., red.; ONOSHKO, N.G., tekhn. red.

[Leningrad Province; nature and economy] Leningradskaia oblast'; priroda i khoziaistvo. [Leningrad] Lenizdat, 1958. 343 p. (MIRA 11:12)

1. Predsedatel' Leningradskoy oblastnoy planovoy komissii (for Golovanov).
(Leningrad Province--Economic conditions)

GOLOVANOV, Sergey Sergeyevich; OZEROV, V.S., red.; LEVONEVSKAYA, L.G., tekhn.red.

[Leningrad Province in the seven-year plan] Leningradskaia oblast' v semiletke. Leningrad, Lenizdat, 1959. 71 p. (MIRA 13:1)

1. Predsedatel' Leningradskoy oblastnoy planovoy komissii (Lenoblplan) (for Golovanov).
(Leningrad Province--Economic policy)

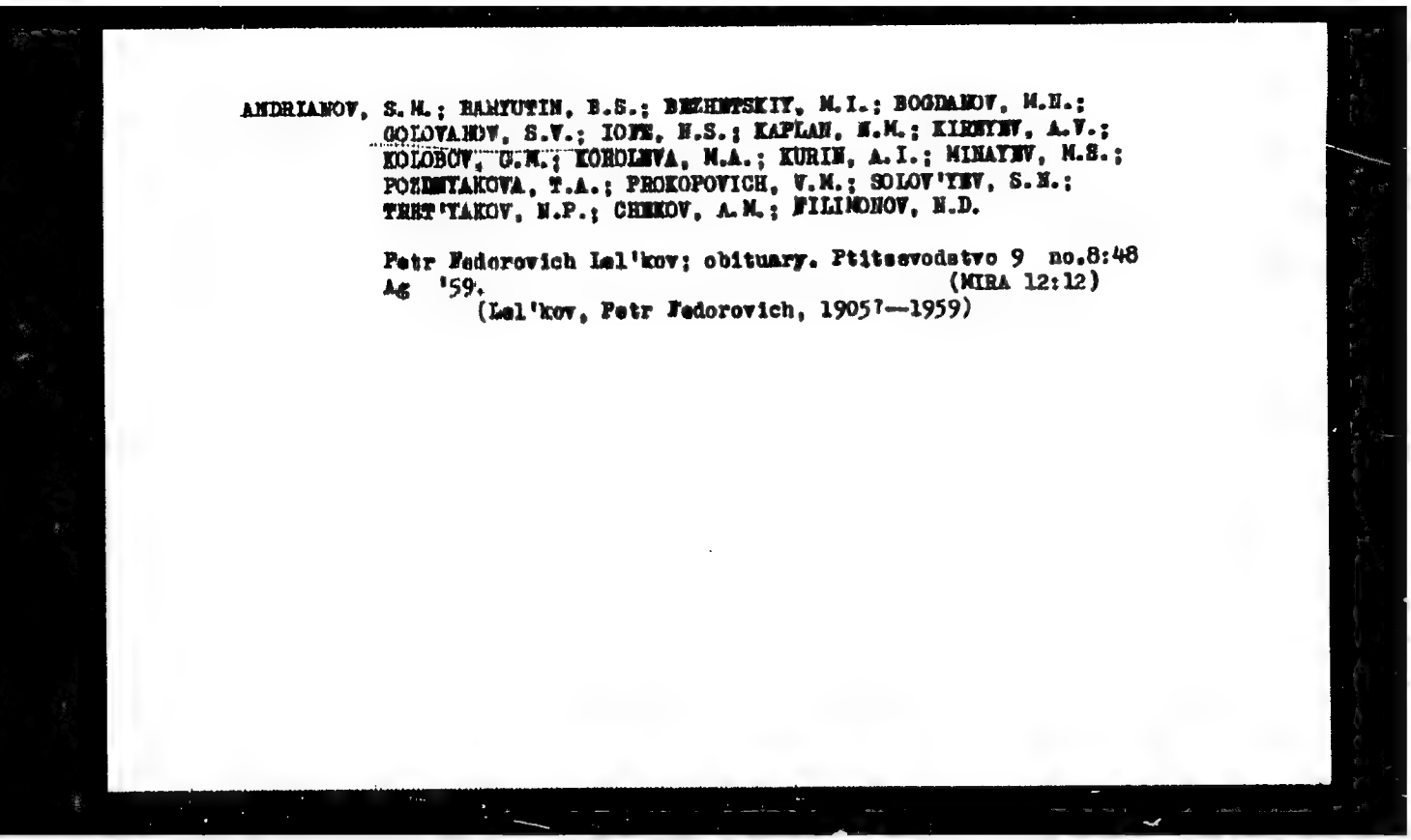
SEMICHASTNOV, I.F., doktor tekhn. nauk; GOLOVANOV, S.S., inzh.; VOLOBOYEV, I.N., inzh., retsenzent; BLIZNYANSKIY, A.S., inzh., red.

[Selecting hydraulic torque converters and hydraulic clutches for the hydraulic drive of diesel locomotives] Vybor gidrotransformatorov i gidromuft dlia gidroperedach teplovozov. Moskva, Mashinostroenie, 1965. 198 p. (MIRA 18:4)

GOLOVANOV, S.S., inzh.

Studying the hydraulic torque converter with a multiple-rim turbine wheel. Trudy MIIT no.184:4-19 '64.

Effect of the turn of the blading channel on the angles of the fitting of the blades of the hydraulic torque transformer. (MIRA 17:10)
Ibid.:20-21



ANDRIANOV, S.M.; BAMYUTIN, B.S.; BEZHETSKIY, M.I.; BOGDANOV, M.N.; GOLOVANOV, S.V.; IOFE, N.S.; KAPLAN, N.M.; KIRSYEV, A.V.; KOLOBOV, G.M.; KORDOLEVA, M.A.; KURIN, A.I.; MINAYEV, M.S.; POZDNYAKOVA, T.A.; PROKOPOVICH, V.M.; SOLOV'YEV, S.N.; TRET'YAKOV, N.P.; CHEKOV, A.M.; FILIMONOV, N.D.

Petr Fedorovich Lal'kov; obituary. Ptitsevodstvo 9 no.8:48 Ag '59. (MIRA 12:12)
(Lal'kov, Petr Fedorovich, 1905?—1959)

GOLOVANOV, V. (g.Zagorsk, Moskovskoy oblasti)

They create toys. Prom.koop. 14 no.1:28 Ja '60. (MIRA 13:5)
(Zagorsk--Toy industry)

KOCHETOV, V.; GOLOVANOV, V.; KHEYFETS, A.

For Soviet children. Mest.prom. i khud.promys. 1 no.1:30-31
O '60. (MIRA 14:3)
(Toy industry—Exhibitions)

GOLOVANOV, V.

Young replenishment of the working class. Tekst. prom. 25 no.10:87-89 O '65. (MIRA 18:10)

1. Nachal'nik Gosudarstvennoy inspektsii po kontrolyu za ispol'zovaniyem molodykh rabochikh na proizvodstve Glavnogo upravleniya professional'no-tekhnicheskogo obrazovaniya pri Sovete Ministrov RSFSR.

GOLOVANOV, V.A., inzhener.

Two terms in the field of electric traction. Elektrichestvo no.8:79 Ag '53. (MLRA 6:8)
(Electric railroads)

GOLOVANOV, V. A.: Master Tech Sci (diss) -- "Investigation and methods of computing electromagnetic processes in the circuits of a rectifying electric locomotive". Moscow, 1958. 20 pp (Min Higher Educ USSR, Moscow Order of Lenin Power Engineering Inst),150 copies (KL, No 4, 1959, 125)

SOV/105-58-10-12/28

AUTHOR: Golovanov, V. A., (Moscow)

TITLE: On the Problem of the Circuit Diagram of a Semiconductor Rectifier Unit for a D-c Single-Phase Electric Traction Rolling Stock
(K voprosu o skheme vypryamitel'nogo poluprovodnikovogo agregata na elektropodvizhnom sostave odnofazno-postoyannogo toka)

PERIODICAL: Elektrichestvo, 1958, Nr 10, pp 53 - 57 (USSR)

ABSTRACT: The use of semiconductor rectifiers in electrical railroad motor cars opens ways of using circuits for the rectifier unit which are more economical than such which have hitherto been in use. These circuits permit to use main transformers with a smaller weight and make possible an operation with smaller power losses. This is an approach to problems which are in particular connected with this feature of electrical motor-cars with semiconductor rectifier units. The choice of the circuit diagram of the rectifier is determined by the efficiency and by the means of effective cooling of the rectifier elements. A more detailed study of problems

Card 1/2

On the Problem of the Circuit Diagram of a Semiconductor Rectifier Unit for D-c Single-Phase Electric Traction Rolling Stock

SOV/105-58-10-12/28

concerning the total efficiency, the efficiency of the actual rectifier unit is included in this paper neglecting the transformer losses and the losses in the auxiliaries is given. Firstly the well known diagrams of a single-phase rectifier unit are discussed. Subsequently a perfectionated diagram developed by the author (Patent Nr 108782, dated April 15, 1957) is presented. This is based on the method of series-parallel operation of the rectifier stacks for voltage control (the patent pertains to the method). Summary: 1) The use of semiconductor rectifier, units represents an effective means of perfecting d.c.-operated single-phase alternating current supplied railroad motor-cars. 2) A series-parallel operation of the stacks as a mean of controlling the rectified voltage is most advantageous from the viewpoint of simplicity of design and economy. There are 4 figures, 1 table, and 4 references, 3 of which are Soviet.

SUBMITTED: April 25, 1958

Card 2/2

MINOV, D.K.; GOLOVANOV, V.A.

Semiconductor power rectifiers and prospects for their use in electric traction devices. Vop.elek.shel.dor. no.1:49-74 '59. (MIRA 12:8)

(Electric railroads--Equipment and supplies)
(Electric current rectifiers)

PETROV, S.A.; GOLOVANOV, V.A.

Use of a model in the experimental investigation of the speed of an electric locomotive with ionic converters, of the phase of the first harmonic, and of the amplitudes of the harmonics composing the primary current. Vop.elek.zhel.dor. no.1:135-151 '59. (MIRA 12:8)

(Electric railroads--Testing)

GOLOVANOV, V.A.

Designing performance indicators in an electric locomotive with ionic converters. Vop.elek.zhel.dor. no.1:152-168 '59. (MIRA 12:8)

(Electric locomotives)

GOLOVANOV, V.A., kand.tekhn.nauk

Electric circuits of the Series K a.c. electric locomotive with silicon rectifiers. Elek.i tepl.tiaga 6 no.4:15-23 Ap '62. (MIRA 15:5)

(Electric locomotives)

GOLOVANOV, V.A., kand.tekhn.nauk

Improvement of the voltage regulating system with static converters of single-phase electric locomotives. Vest. elektroprom. 31 no.9:47-51 S '60. (MIRA 15:5)
(Electric locomotives)

GOLOVANOV, V.A., kand.tekhn.nauk; KUZNETSOV, T.F., kand.tekhn.nauk

Replies to the inquiries of our readers. Elek. i tepl. tiaga no.6:42-43 Je '62. (MIRA 15:7)
(Electric locomotives—Maintenance and repair)
(Diesel locomotives—Maintenance and repair)

GARNICHEV, D.A.; GOLOVANOV, V.A.; KRYLOV, S.S.; KURASOV, S.I.; OSIPOV, S.I.; PRIVALOV, V.V.; RADIONOV, N.I., inzh., retsenzent; SIDOROV, N.I., inzh., red.; VASIL'YEVA, N.I., tekhn. red.

[Electric locomotive with semiconductor rectifiers] Elektrovoz s poluprovodnikovymi vypriamiteliami. Moskva, Transzheldorizdat, 1963. 98 p. (MIRA 16:12)
(Electric locomotives)
(Electric current rectifiers)

GARNICHEV, D.A.; GOLOVANOV, V.A.; KRYLOV, S.S.; KURASOV, S.I.; OSIPOV, S.I.; PRIVALOV, V.V.; RADIONOV, N.I., inzh., retsenzent; SIDOROV, N.I., inzh., red.; VASIL'YEVA, N.N., tekhn. red.

[Electric locomotive with semiconductor rectifiers] Elektrovoz s poluprovodnikovymi vypriamiteliami. Moskva, Transzheldorizdat, 1963. 98 p. (MIRA 17:1)

GOLOVANOV, V.A., kand. tekhn. nauk; BASOV, Yu.A., inzh.

Parameters of the systems determining the voltammetric curve of semiconductor valves. Vest. TSNII MPS 23 no.7:22-27 '64. (MIRA 18:3)

GOLOVANOV V. D. Removal of cerebral abscesses en bloc with capsule
Voprosi Neirochirurgiyi, Moscow 1949, 5 (56-62)

This method proved to give more satisfactory results (but still 20-25% deaths) than puncture in cases where localization was exact and not too near the middle line and where encapsulation was complete. If possible a quiet period was awaited or sulphanilamides and penicillin were given to establish it; if necessary penicillin was even given into the temporal artery. When infection had spread already, however, puncture was combined with chemotherapy. If the origin of the abscess was traumatic, the best way to operate proved to be following the canal after widening-up the skull defect. Blunt plastic instruments were used together with electrocoagulators in order to prevent unnecessary tissue destruction. Drainage was used for 24 hours in cases in which the capsule broke and pus had come into the wound. The most dangerous complication was liquorrhoea, bleeding always being prevented by coagulation.

Boerman - Chaam

So: Neurology & Psychiatry Section VIII Vol. 3 No. P-12

GOLOVANOV, V. D. (Reviewer)

"Restorative Operations in Injuries of Nerve Trunks of Extremities," M. G. Ignatov, Vop. Neirokhir., 16, No.4, 1952

PHOTOPOPOV, S.P., professor; GOLOVANOV, V.D.

Report on the Fifth Plenary Session of the Board of Directors of the All-Union Scientific Society of Surgeons which took place in Moscow, December 24-27, 1952. Khirurgiia no.6:84-91 Je '53. (MLRA 6:8)
(Surgery--Societies)

GOLOVANOV, V.D.

VISHNEVSKIY, A.A., professor, otvetstvennyy redaktor; PRIOROV, N.I., professor; zamestitel' otvetstvennogo redaktora; PROTOPOPOV, S.P., redaktor; GOLOVANOV, V.D., professor, redaktor; GABERLAND, M.I., tekhnicheskiy redaktor

[Anesthesia in surgery. Transactions of the Commission on Anesthesia and of the Fifth plenum of the Board of the All-Union Scientific Society of Surgeons] Obezbolivanie v khirurgii. Trudy problemnoi komissii po obezbolivaniiu i piatogo plenuma pravleniia Vsesoiuznogo nauchnogo obshchestva khirurgov. Moskva, Gos. izd-vo med. lit-ry, 1954. 247 p. (MLRA 8:1)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Vishnevskiy) 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Priorov)
(Anesthesia) (Surgery, Operative)

GOLOVANOV, V.D., doktor meditsinskikh nauk

Compensatory properties of the human brain based on studies of long-term results of excision of cerebral abscess with the capsule. Vop. neirokhir. 18 no.4:14-18 Jl-Ag '54. (MLRA 7:10)

1.Iz TSentral'nogo instituta travmatologii i ortopedii Ministerstva zdravookhraneniya SSSR.

(BRAIN, abscess,
*surg., postop. compensatory cerebral funct.)
(ABSCESS,
*brain, surg., postop. compensatory cerebral funct.)

GOLOVANOV, V.D., professor; SVERDLOV, D.G., professor

Accidental enucleation of the eyes. Vop.neirokhir. 20 no.6:50-52 N-D '56. (MLRA 10:2)

1. Iz Tsentral'nogo instituta travmatologii i ortopedii Ministerstva zdravookhraneniya SSSR.

(EYE, wounds and injuries, traum. enucleation (Rus))

GOLOVANOV, V.D.

TKACHEVA, M.Ye.; GOLOVANOV, V.D.

Surgical removal of a cerebral abscess with its capsule. Zhur. nevr. i psikh. Supplement:12 '57. (MIRA 11:1)

1. TSentral'nyy institut travmatologii i ortopedii (dir. - prof. N.N.Priorov) Ministerstva zdravookhraneniya SSSR, Moskva.
(BRAIN--ABSCESS)

Golovanov, V. D.

GOLOVANOV, V.D., referent, professor

Minutes of session No.10 of the administration of the All-Union Society of Surgeons held on Nov. 22, 1956 during the Sixth plenum of the administration in Leningrad. Vest.khir. 79 no.8:134 Ag '57. (MIRA 10:10)
(SURGERY)

GOLOVANOV, V.D., prof.

Rare type of deformity. Khirurgiia 35 no.3:133-136 Mr '59.
(MIRA 12:8)

1. Iz Tsentral'nogo instituta travmatologii i ortopedii Ministerstva zdravookhraneniya SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. N.N.Priorov).
(ENCEPHALOCELE, case reports
posterior, surg. (Rus))